

1647

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/147,490

DATE: 12/29/2000

TIME: 13:51:57

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3 <110> APPLICANT: MENDELSON, FREDERICK A.O.
4 CHAI, SIEW YEEN
5 MOELLER, INGRID
6 ALDRED, PETER G.
7 SMITH, IAN A.
8 LEW, REBECCA A.
10 <120> TITLE OF INVENTION: NEUROACTIVE PEPTIDE
12 <130> FILE REFERENCE: 016786/0215
14 <140> CURRENT APPLICATION NUMBER: 09/147,490
C--> 15 <141> CURRENT FILING DATE: 1999-05-03
17 <150> PRIOR APPLICATION NUMBER: PCT/AU97/00436
18 <151> PRIOR FILING DATE: 1997-07-09
20 <150> PRIOR APPLICATION NUMBER: AU P00893
21 <151> PRIOR FILING DATE: 1996-07-09
23 <160> NUMBER OF SEQ ID NOS: 10
25 <170> SOFTWARE: PatentIn Ver. 2.1
27 <210> SEQ ID NO: 1
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29 <212> TYPE: PRT
30 <213> ORGANISM: Unknown Organism
32 <220> FEATURE:
33 <223> OTHER INFORMATION: Description of Unknown Organism: Beta globin
34 precursor
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38 1 5 10
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66 <211> LENGTH: 28
67 <212> TYPE: DNA
68 <213> ORGANISM: Artificial Sequence
70 <220> FEATURE:

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85 <400> SEQUENCE: 5
86 cagcacaacc actagcacat tgcc 24
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91 <212> TYPE: DNA
92 <213> ORGANISM: Rattus sp.
94 <400> SEQUENCE: 6
95 cacaaactca gaaacagaca ccattggtgca cctgaactgat gctgagaagg ctgctgttaa 60
96 tggcctgttg ggaaggtga accctgatga tggtggtggc gaggccttg gcaggctgct 120
97 ggttghctac ccttggaacc agaggtactt tgatagcttt ggggacctgt cctctgctc 180
98 tctatcatg gtaacccta aggtgaaggc ccatggcaag aagggtgata acgacctcaa 240
99 tgatggcctg aaacacttg acaacctcaa ggacacctt gctcatctga gtgaactcca 300
100 ctgtgacaag ctgcattggt atcctgagaa cttcaggctc ctgggcaata tgatttgtgat 360
101 tgtgttgggc caccacctgg gcaagggaatt caccacctgt gcacaggctg ccttccagaa 420
102 ggtggtggct ggagtggcca gtgccctggc tcacaagtac cactaaacct cttttcctgc 480
103 tcttgtcttt tgcgaatggt caattgttcc caagagagca tctgtcagtt gttgtcaaaa 540
104 tgacaaagac ctttgaaaat ctgtcctact aataaaagyc atttactttc actgcacaaa 600
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111 <213> ORGANISM: Rattus sp.
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114 <221> NAME/KEY: CDS
115 <222> LOCATION: (23)..(463)
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119 Met Val His Leu Thr Asp Ala Glu Lys Ala
120 1 5 10
122 gct gtt aat ggc ctg tgg gga aag gtg aac cct gat gat gtt ggt ggc 100
123 Ala Val Asn Gly Leu Trp Gly Lys Val Asn Pro Asp Asp Val Gly Gly
124 15 20 25
126 gag gcc ctg ggc agg ctg ctg gtt gtc tac cct tgg acc cag agg tac 148
127 Glu Ala Leu Gly Arg Leu Leu Val Val Tyr Pro Trp Thr Gln Arg Tyr
128 30 35 40
130 ttt gat agc ttt ggg gac ctg tcc tct gcc tct gct atc atg ggt aac 196
131 Phe Asp Ser Phe Gly Asp Leu Ser Ser Ala Ser Ala Ile Met Gly Asn
132 45 50 55
134 cct aag gtg aag gcc cat ggc aag aag glg ata aac gcc ttc aat gat 244
135 Pro Lys Val Lys Ala His Gly Lys Lys Val Ile Asn Ala Phe Asn Asp

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136      60      65      70
138 ggc ctg aaa cac ttg gac aac ctc aag ggc acc ttt gct cat ctg agt 292
139 Gly Leu Lys His Leu Asp Asn Leu Lys Gly Thr Phe Ala His Leu Ser
140 75      80      85      90
142 gaa ctc cac tgt gac aag ctg cat gtg gat cct gag aac ttc agg ctc 340
143 Glu Leu His Cys Asp Lys Leu His Val Asp Pro Glu Asn Phe Arg Leu
144      95      100      105
146 ctg ggc aat atg att gtg att gtg ttg ggc cac cac ctg ggc aag gaa 388
147 Leu Gly Asn Met Ile Val Ile Val Leu Gly His His Leu Gly Lys Glu
148      110      115      120
150 ttc acc ccc tgt gca cag gct gcc ttc cag aag gtg gtg gct gga gtg 436
151 Phe Thr Pro Cys Ala Gln Ala Ala Phe Gln Lys Val Val Ala Gly Val
152      125      130      135
154 gcc agt gcc ctg gct cac aag tac cac taaacctctt ttcctgctct 483
155 Ala Ser Ala Leu Ala His Lys Tyr His
156      140      145
158 tctcttttctg caatgatcaa ttattcccaa gaaagcatct qtcagtttctt qtcacaaatga 543
160 caaagacctt tgaataatctg tectactaat aaaaggcatt tacttttact gcaaaaaaaaa 603
162 aaaaaaaaaa 613
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166 <211> LENGTH: 147
167 <212> TYPE: PRT
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170 <400> SEQUENCE: 8
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172 1      5      10      15
174 Gly Lys Val Asn Pro Asp Asp Val Gly Gly Glu Ala Leu Gly Arg Leu
175      20      25      30
177 Leu Val Val Tyr Pro Trp Thr Gln Arg Tyr Phe Asp Ser Phe Gly Asp
178      35      40      45
180 Leu Ser Ser Ala Ser Ala Ile Met Gly Asn Pro Lys Val Lys Ala His
181      50      55      60
183 Gly Lys Lys Val Ile Asn Ala Phe Asn Asp Gly Leu Lys His Leu Asp
184      65      70      75      80
186 Asn Leu Lys Gly Thr Phe Ala His Leu Ser Glu Leu His Cys Asp Lys
187      85      90      95
189 Leu His Val Asp Pro Glu Asn Phe Arg Leu Leu Gly Asn Met Ile Val
190      100      105      110
192 Ile Val Leu Gly His His Leu Gly Lys Glu Phe Thr Pro Cys Ala Gln
193      115      120      125
195 Ala Ala Phe Gln Lys Val Val Ala Gly Val Ala Ser Ala Leu Ala His
196      130      135      140
198 Lys Tyr His
199 145
203 <210> SEQ ID NO: 9
204 <211> LENGTH: 620
205 <212> TYPE: DNA
206 <213> ORGANISM: Unknown Organism
208 <220> FEATURE:

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209 <223> OTHER INFORMATION: Description of Unknown Organism: RNBGLO
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 212 tgcttctgac atagttgtgt tgactcaca actcagaaac agacaccatg gtgcacctga 60
 213 ctgatgctga gaaggtgct gttaatggcc tgtggggaaa gytgaacct gatgatgttg 120
 214 gtggcgaggc cctgggcagg ctgctggttg tctaccttg gacctagagg tactttgata 180
 215 gctttgggga cctgtcctct gctctgcta tcatgggtaa ccttaaggty aaggcccatg 240
 216 gcaagaaggt gataaaagcc ttcaatgatg gctgaaaca ctgggacaac ctcaagggca 300
 217 cctttgctca tctgagtgaa ctccactgtg acaagctgca tgtggatcct gagaacttca 360
 218 ggctcctggg caatatgatt gtgattgtgt tgggccacca cctgggcaag gaattcacc 420
 219 cctgtgcaca ggctgccttc cagaaggtyg tggctggagt ggccagtgc ctggctcaca 480
 220 agtaccacta aacctctttt cctgctcttg totttgtgca atggtcaatt gttcccaaga 540
 221 gagcatctgt cagttgttgt caaaatgaca aagacctttg aaaatctgtc ctactaataa 600
 222 aaggcattta ctttactgc 620
 225 <210> SEQ ID NO: 10
 226 <211> LENGTH: 6
 227 <212> TYPE: PRT
 228 <213> ORGANISM: Unknown Organism
 230 <220> FEATURE:
 231 <223> OTHER INFORMATION: Description of Unknown Organism: Hexapeptide
 233 <400> SEQUENCE: 10
 234 Val Tyr Ile His Pro Phe
 235 1 5

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VERIFICATION SUMMARY

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L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date